

IN THE CLAIMS:

Please amend claims 1-3 and 5-6, and add new claims 10-15 as follows:

1. A storage system comprising:

a plurality of disk devices which includes a plurality of logical volumes;

a disk controller including a plurality of disk control units each of which is connectable to the plurality of disk devices[[;]], and a common mutual connecting network which connects the plurality of disk control units with each other; and

a supervise processor,

wherein each of plurality of disk control units comprises:

a plurality of first interfaces connectable to a host computer via a storage area network;

a plurality of second interfaces connectable to the plurality of disk devices;
and

a cache memory unit storing data ~~temporary~~ temporarily;

wherein the plurality of first interfaces, the plurality of second interfaces, and the cache memory of one of the plurality of disk control units are connected to the plurality of first interfaces, the plurality of the second interfaces and the cache memory of the other ones of the plurality of disk control units by the common mutual connecting network,

wherein the supervise processor monitors and calculates an access frequency from the host computer to [[a]] one of the plurality of logical volumes by using a first logical path and a second logical path,

wherein the first logical path includes the storage area network, one of the plurality of first interfaces of the one of the plurality of disk control units, and one of the plurality of second interfaces of the one of the plurality of disk control units,

wherein the second logical path includes the storage area network, one of the plurality of first interfaces of the other one of the plurality of the disk control units, the common mutual connecting network, and [[the]] one of the plurality of the second interfaces of the one of the plurality of disk control units.

2. (Currently Amended) A storage system according to claim 1, further comprising:

a display as output part[[;]].

wherein said supervise processor displays on said display a result of calculation based on monitoring an access from the host computer to a one of the plurality of logical volumes by using a first logical path and a second logical path.

3. (Currently Amended) A storage system according to claim 2: comprising:
a plurality of disk devices which includes a plurality of logical volumes;
a plurality of disk control units each of which is connectable to the plurality of disk devices;
a network which connects the plurality of disk control units each other;
a supervise processor; and
a display as output part,
wherein each of plurality of disk control units comprises:
a plurality of first interfaces connectable to a host computer via a storage area network;
a plurality of second interfaces connectable to the plurality of disk devices;
and
a cache memory unit storing data temporarily,
wherein the plurality of first interfaces, the plurality of second interfaces and the cache memory of one of the plurality of disk control units are connected to the plurality of first interfaces, the plurality of the second interfaces and the cache memory of the other one of the plurality of disk control units by the network,
wherein the supervise processor monitors and calculates an access frequency from the host computer to one of the plurality of logical volumes by using a first logical path and a second logical path,
wherein the first logical path includes the storage area network, one of the plurality of first interfaces of the one of the plurality of disk control units, and one of the plurality of second interfaces of the one of the plurality of disk control units,
wherein the second logical path includes the storage area network, one of the plurality of first interfaces of the other one of the plurality of the disk control units, the network, and the one of the plurality of the second interfaces of the one of the plurality of disk control units,
wherein said supervise processor displays on said display a result of calculation based on monitoring an access from the host computer to a one of the

plurality of logical volumes by using a first logical path and a second logical path, and

wherein said supervise processor displays on said display an information recommending to copy the content of the one of the plurality of logical volumes to a different one of the plurality of logical volumes when the result of calculation based on monitoring satisfy a predetermined condition.

4. (Original) A storage system according to claim 3:

wherein said different one of the plurality of logical volumes is included in one of a plurality of disk device which is connected to the plurality of second interfaces of the other one of the plurality of the disk control units;

wherein an access from said host computer to said different one of the plurality of logical volumes is executed through a third logical path; and

wherein said third logical path includes the storage area network, the one of the plurality of first interfaces of the other one of the plurality of the disk control units and the one of plurality of second interfaces of the other one of the plurality of disk drivers.

5. (Currently Amended) A storage system ~~according to claim 2;~~ comprising:

a plurality of disk devices which includes a plurality of logical volumes;

a plurality of disk control units each of which is connectable to the plurality of disk devices;

a network which connects the plurality of disk control units each other;

a supervise processor; and

a display as output part,

wherein each of plurality of disk control units comprises:

a plurality of first interfaces connectable to a host computer via a storage area network;

a plurality of second interfaces connectable to the plurality of disk devices;

and

a cache memory unit storing data temporarily,

wherein the plurality of first interfaces, the plurality of second interfaces and the cache memory of one of the plurality of disk control units are connected to the plurality of first interfaces, the plurality of the second interfaces, and the cache

memory of the other one of the plurality of disk control units by the network,
wherein the supervise processor monitors and calculates an access frequency
from the host computer to one of the plurality of logical volumes by using a first
logical path and a second logical path,
wherein the first logical path includes the storage area network, one of the
plurality of first interfaces of the one of the plurality of disk control units, and one of
the plurality of second interfaces of the one of the plurality of disk control units,
wherein the second logical path includes the storage area network, one of the
plurality of first interfaces of the other one of the plurality of the disk control units,
the network, and the one of the plurality of the second interfaces of the one of the
plurality of disk control units,
wherein said supervise processor displays on said display a result of
calculation based on monitoring an access from the host computer to a one of the
plurality of logical volumes by using a first logical path and a second logical path, and
wherein said supervise processor displays on said display an information
recommending to change to the first logical path from the second logical path using
for one host computer to access to the one of the plurality of logical volumes when the
result of calculation based on monitoring satisfy a predetermined condition.

6. (Currently Amended) A storage system according to claim 1[[:]],
wherein each of plurality of disk controllers is provides supplied with electric
power by an independent power unit, respectively.
7. (Original) A storage system according to claim 3:
wherein said storage system copies the content of one of the plurality of
logical volumes to a different one of the plurality of logical volumes according to
user's instruction.
8. (Original) A storage system according to claim 3:
wherein said storage system moves the content of one of the plurality of
logical volumes to a different one of the plurality of logical volumes according to
user's instruction.

9. (Original) A storage system according to claim 5:

wherein said storage system changes to the first logical path from the second logical path using for one host computer to access to the one of the plurality of logical volumes according to user's instruction.
10. (New) A storage system according to claim 2, wherein said supervise processor displays on said display an information recommending to copy the content of the one of the plurality of logical volumes to a different one of the plurality of logical volumes when the result of calculation based on monitoring satisfy a predetermined condition.
11. (New) A storage system according to claim 10,

wherein said different one of the plurality of logical volumes is included in one of a plurality of disk device which is connected to the plurality of second interfaces of the other one of the plurality of the disk control units,

wherein an access from said host computer to said different one of the plurality of logical volumes is executed through a third logical path, and

wherein said third logical path includes the storage area network, the one of the plurality of first interfaces of the other one of the plurality of the disk control units and the one of plurality of second interfaces of the other one of the plurality of disk drivers.
12. (New) A storage system according to claim 2, wherein said supervise processor displays on said display an information recommending to change to the first logical path from the second logical path using for one host computer to access to the one of the plurality of logical volumes when the result of calculation based on monitoring satisfy a predetermined condition.
13. (New) A storage system according to claim 10,

wherein said storage system copies the content of one of the plurality of logical volumes to a different one of the plurality of logical volumes according to user's instruction.

14. (New) A storage system according to claim 10,
wherein said storage system moves the content of one of the plurality of logical volumes to a different one of the plurality of logical volumes according to user's instruction.

15. (New) A storage system according to claim 12,
wherein said storage system changes to the first logical path from the second logical path using for one host computer to access to the one of the plurality of logical volumes according to user's instruction.